

WARMLEY
RURAL DISTRICT COUNCIL

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR

1946

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WARMLEY RURAL DISTRICT COUNCIL

Composition of the District—

Parishes of BITTON, HANHAM ABBOTS, MANGOTSFIELD RURAL,
OLDLAND and SISTON.

Chairman :

Mr. S. H. FORD, J.P.

Vice-Chairman :

Mr. F. M. FISHER.

Members :

Mr. C. C. ATCHISON.

Mr. W. A. F. BISHOP.

Mr. J. BLACKER.

Mr. W. C. DAVIS.

Mr. J. K. GARLAND.

Mr. D. E. GAY.

Mr. A. LUCAS.

Mr. E. MCLEOD-JONES.

Mr. M. E. MEREDITH.

Mr. J. W. REED.

Mr. A. G. SHEERE.

Mr. A. WILLIAMS.

Clerk of the Council :

C. W. G. HITCHCOCK.

Public Health Staff :

Medical Officer of Health :

JAMES MENZIES CORMACK, M.B., Ch.B., D.P.H., D.P.A.

Sanitary Inspector :

LESLIE J. PROSSER, L.I.O.B., M.R.S.I., M.S.I.A.

(Commenced duty 18th February, 1946).

Housing Inspector :

L. A. EDWARDS-WOODHAM.

(Commenced duty July, 1946).

Clerk to Medical Officer :

R. W. J. DOLLING.

(Commenced duty July, 1946)

Serial number of Report—37.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

TO THE

WARMLEY RURAL DISTRICT COUNCIL.

COUNCIL OFFICES,

• WARMLEY,

July, 1947.

GENTLEMEN,

I have the honour to present my Annual Report on the health of this District and 37th of the series.

The Report is compiled as set out in the Ministry of Health Circular.

My thanks are due to Members of the Council and Staff of the Council for their assistance.

I am,

Your obedient servant,

J. MENZIES CORMACK,

Medical Officer of Health.

STATISTICS.

(a) General Statistics.

Area of District	...	...	...	...	...	8,843 acres.
Population : Registrar-General's estimate, Mid-1946	...	...	...	...	...	10,140
Number of inhabited houses per Rate Books					...	2,748
Estimated number of Void Houses				...	...	—
Rateable Value	...	...	...	...	...	£38,437
Sum represented by Penny Rate			...	...	...	£150

(b) Extracts from Vital Statistics.

		M.	F.	Total	
Live Births	... Legitimate	67	62	129	... Birth Rate per 1,000 es-
	Illegitimate	3	3	6	timated resident popula-
					tion mid-1946. 13.3
					England and Wales, 19.1
Stillbirths	... Legitimate	1	2	3	... Rate per 1,000 total (live
	Illegitimate	—	—	—	and stillbirths), .3.
					England and Wales, .53.
Deaths	... ..	66	43	109	... Death Rate per 1,000 es-
					timated average popu-
					lation, 10.7.
					England and Wales, 11.5.

Deaths from Puerperal Causes	...	...	...	Nil
Deaths of Infants (under 1 year)		...	...	5
Deaths from Cancer (all ages)	...	...	...	22
Deaths from Measles (all ages)	...	...	...	Nil
Deaths from Whooping Cough (all ages)		...		Nil
Deaths from Diarrhoea (under 2 years)		...		Nil

CAUSES OF DEATHS.

Cause of Death	Und. 1 yr.	1-5 yrs.	5-15 yrs.	15-25 yrs.	25-45 yrs.	45-65 yrs.	65-75 yrs.	75 & over	Total
1. Typhoid and paratyphoid fevers ...	—	—	—	—	—	—	—	—	—
2. Cerebro-spinal fever	—	—	—	—	—	—	—	—	—
3. Scarlet Fever ...	—	—	—	—	—	—	—	—	—
4. Whooping Cough ...	—	—	—	—	—	—	—	—	—
5. Diphtheria ...	—	—	—	—	—	—	—	—	—
6. Tuberculosis of respiratory system	—	—	—	—	3	3	1	—	7
7. Other forms of tuberculosis ...	—	—	—	—	—	—	—	—	—
8. Syphilitic Disease ...	—	—	—	—	—	—	—	—	—
9. Influenza ...	—	—	—	—	—	1	1	—	2
10. Measles ...	—	—	—	—	—	—	—	—	—
11. Acute poliomyelitis and polioencephalitis	—	—	—	—	—	—	—	—	—
12. Acute infectious encephalitis ...	—	—	—	—	—	—	1	—	1
13M Cancer of buccal cavity and cesophagus (males only)	—	—	—	—	—	—	1	—	1
13F Cancer of uterus ...	—	—	—	—	—	—	—	—	—
14. Cancer of stomach and duodenum ...	—	—	—	—	—	1	1	1	3
15. Cancer of breast ...	—	—	—	—	—	1	2	—	3
16. Cancer of all other sites ...	—	—	—	—	—	1	5	9	15
17. Diabetes ...	—	—	—	—	—	—	—	—	—
18. Intra-cranial vascular lesions ...	—	—	—	1	1	4	3	3	12
19. Heart Disease ...	1	—	—	—	—	2	12	12	27
20. Other diseases of the circulatory system	—	—	—	—	—	—	2	1	3
21. Bronchitis ...	—	—	—	—	—	1	1	2	4
22. Pneumonia ...	—	—	—	—	—	—	1	1	2
23. Other respiratory diseases	—	—	—	—	—	—	—	—	—
24. Ulceration of stomach or duodenum ...	—	—	—	—	—	—	—	—	—
25. Diarrhoea (under 2 years of age) ...	—	—	—	—	—	—	—	—	—
26. Appendicitis ...	—	—	—	—	—	—	—	—	—
27. Other digestive diseases	—	—	—	—	—	1	—	—	1
28. Nephritis ...	—	—	—	—	—	2	4	3	9
29. Puerperal and post abortive sepsis ...	—	—	—	—	—	—	—	—	—
30. Other maternal causes	—	—	—	—	—	—	—	—	—
31. Premature birth ...	1	—	—	—	—	—	—	—	1
32. Congenital malformations, birth injury infantile disease ...	2	—	—	—	—	—	—	—	2
33. Suicide ...	—	—	—	—	1	—	—	—	1
34. Road Traffic accidents	—	—	—	—	—	—	—	—	—
35. Other violent causes	—	2	—	—	1	—	—	—	3
36. All other causes ...	1	1	—	1	1	2	4	2	12

TABLE SHOWING INCIDENCE OF INFECTIOUS DISEASE IN AGE GROUPS.

Disease	Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 & up	Total Cases	Cases Ad- mitted to Hos- pital	Total Deaths
Smallpox ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever ...	—	—	—	—	1	2	1	—	—	—	—	—	4	—	—
Diphtheria ...	—	—	—	—	—	—	1	—	—	—	—	—	1	1	—
Measles ...	—	2	1	6	3	7	—	—	1	—	—	—	20	—	—
Whooping Cough ...	1	—	—	3	—	6	—	—	—	1	—	—	11	—	—
Enteric Fever including Paratyphoid	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia and Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonia ...	—	—	—	—	1	—	1	—	—	1	1	—	4	—	—
Erysipelas ...	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—
Ophthalmia Neonatorum	1	—	—	—	—	—	—	—	—	—	—	—	1	1	—
Dysentery ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS ...	2	2	1	9	5	15	3	—	1	2	2	—	42	2	—

TABLE OF INCIDENCE OF INFECTIOUS DISEASES
IN EACH PARISH.

	Bitton	Hanham Abbots	Mangots- field Rural	Oldland	Siston	Total
<i>Disease</i>						
Scarlet Fever ...	1	3	—	—	—	4
Diphtheria ...	—	—	—	—	1	1
Measles ...	1	3	3	13	—	20
Whooping Cough	3	8	—	—	—	11
Puerperal Pyrexia ...	—	—	—	—	—	—
Ophthalmia Neonatorum	—	—	—	1	—	1
Dysentery ...	—	—	—	—	—	—
Erysipelas ...	—	1	—	—	—	1
Pneumonia ...	1	2	—	1	—	4
Totals ...	6	17	3	15	1	42

TABLE SHOWING NEW CASES AND DEATHS
(TUBERCULOSIS) IN AGE GROUPS.

Age	NEW CASES				DEATHS			
	Respiratory		Non- Respiratory		Respiratory		Non- Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year	—	—	—	—	—	—	—	—
1-5 years	—	—	—	—	—	—	—	—
5-15 „ ...	1	—	1	—	—	—	—	—
15-25 „ ...	—	—	—	—	—	—	—	—
25-35 „ ...	—	3	—	—	1	—	—	—
35-45 „ ...	1	—	—	—	—	2	—	—
45-55 „ ...	—	—	—	—	1	—	—	—
55-65 „ ...	—	—	—	—	2	—	—	—
65 upwards ...	—	—	—	—	—	1	—	—
TOTALS ...	2	3	1	—	4	3	—	—

INFECTIOUS DISEASES.

Enteric Fever.

A minor outbreak of Typhoid Fever infection occurred at the War Agricultural Executive Committee's Land Army Hostel for Girls at Fieldgrove Farm, Bitton, during July, 1946.

Only one girl suffered from the disease, but investigation showed that four other girls of the 32 persons attached to the Hostel were found to be harbouring typhoid bacilli. These girls were admitted first to Ham Green Isolation Hospital and then to Mangotsfield Isolation Hospital as "carriers." The clinical case was treated at Ham Green Isolation Hospital.

Investigations, conducted with the close co-operation of the Bristol Public Health Laboratory, the County Medical Officer of Health, and the War Agriculture Committee, were not conclusive, but very strong evidence pointed to the old contaminated water supply as the source of infection. It was unfortunate that, while Company's water was supplied to the farm, the impure spring supply continued to be used in the dairy and for cooling milk.

The spring supply has now been cut off. No further "carriers" have been found. It was fortunate that, while the infective agent was a true typhoid strain, only one girl became ill; this is unusual as this type of organism generally gives rise to grave illness.

There are many lessons to be learnt from such a story—not least being the risk to the Community of infection being found in milk from "carriers." Against such a risk pasteurisation is the, at present, only effective remedy.

I beg to remain, Gentlemen,

Your obedient servant,

J. MENZIES CORMACK,

Medical Officer of Health.

Annual Report for 1946

*To the Chairman and Members of the
Warmley Rural District Council.*

MR. CHAIRMAN AND GENTLEMEN,

I have the honour to present this Report covering the year 1946, this being my first Annual Report.

SUMMARY OF SANITARY INSPECTOR'S VISITS AND NOTICES SERVED DURING THE YEAR.

General Sanitation.

Water Supply	...	...	...	...	53
Drainage	...	...	...	...	92
Tents, Vans and Sheds	...	...	...	...	81
Factories	...	...	...	...	23
Bakehouses	...	...	...	...	7
Refuse Collection and Disposal	...	...	...	...	133
Smoke Abatement	...	...	...	...	6
Rats and Mice	...	...	...	...	2
Shops	...	...	...	...	5
Miscellaneous Sanitary Visits	...	...	...	...	72
Streams	...	...	...	...	142
Owners	...	...	...	...	36
House Boats	...	...	...	...	1
Petroleum Licences	...	...	...	...	5
Council and Other Meetings	...	...	...	...	52

HOUSING.

Houses Inspected and Visited under the Public Health Acts	...	...	...	206
Houses Inspected under the Housing Acts	...	...	...	3
Houses Inspected for Overcrowding	...	...	...	2
Verminous Premises	...	...	...	11
Miscellaneous Housing Visits	...	...	...	25
Rural Housing Survey	...	...	...	905

Infectious Diseases.

Inquiries in Cases of Infectious Diseases	31
Visits re Disinfection	3
Miscellaneous Infectious Disease Visits ...	28

Meat and Food Inspection.

Slaughterhouses	196
Shops and Other Premises	9
Butchers	9
Fishmongers and Poulterers	1
Grocers	2
Cowsheds	36
Dairies and Milkshops	18
Food Preparing Premises	4
Ministry of Food Salvage and Buffer Depot	24
Milk Sampling	23
Miscellaneous Food Visits	3
Water Sampling	6
TOTAL ...	2,255

Sanitary Inspection of Area.*Inspections Made.*

Nuisances discovered or reported ...	119
Informal and Preliminary Notices sent ...	21
Statutory Notices sent	7
Nuisances abated during the year ...	90
Summonses issued	Nil
Convictions obtained	Nil

SANITARY CIRCUMSTANCES OF THE YEAR.**Water Supply.**

The water undertaker for this Area is the West Gloucestershire Water Company. This is a private Company.

The water supplied by the Company has been satisfactory both in quality and quantity, copy of an analysis, chemical and bacteriological, as follows :—

CERTIFICATE OF ANALYSIS.

WATERFALL & O'BRIEN.

Analytical, Technical and
Consulting Chemists.

THE LABORATORY,

4, QUEEN SQUARE,
BRISTOL, 1.

H. S. HOWES, B.Sc., F.I.C.

20th June, 1947.

Of a Sample of WATER.

Lab. Ref. No. 2661. West Gloucester Supply - Tap in Council
Office.

sent by The Warmley R.D.C., Warmley, Bristol.

Appearance—Clean and colourless : no sediment.

Reaction— P_H 7.4

	<i>Parts per 100,000</i>
Free and Saline Ammonia	Less than .001
Albuminoid Ammonia	.0006
Chlorine	5.0
equivalent to Sodium Chloride	8.3
Oxygen (absorbed 4 hrs.)	0.009
Nitrite	absent.
Nitrogen in Nitrate	0.11
Total Solids	41.5
Loss on ignition	2.5
Appearance on ignition	no charring.
Hardness—Temporary	22.8
Permanent	—
Lead and Copper	absent.

Bacteriological Examination.

Colonies on Agar at 20° C.	Less than 1 per ml.
ditto at 37° C.	Less than 1 per ml.
Organisms of the Coli- aerogenes Group	Absent from 100 ml.

(Signed) WATERFALL & O'BRIEN.

No action has been necessary regarding any contamination.

There are, however, parts of the District which are not yet supplied with water. The water supply is unsatisfactory to Upton Cheyney, Beach and Golden Valley in the Parish of Bitton, especially by the method of distribution by open jointed pipes and troughs.

Analyst's Report as follows :—

CERTIFICATE OF ANALYSIS.

WATERFALL & O'BRIEN,
Analytical, Technical and
Consulting Chemists.

THE LABORATORY,
4, QUEEN SQUARE,
BRISTOL, 1.

H. S. HOWES, B.Sc., F.I.C.

20th June, 1947.

Of a Sample of WATER.

Lab. Ref. Upton Cheyney. Taken from Fountain by Mr. L. J.
No. 2663. Prosser at 11.30 a.m. 16/6/47.

Sent by—The Warmley R.D.C., Warmley, Bristol.

Appearance—Clear and colourless : slight sediment of mineral
and vegetable debris : some diatoms.

Reaction— P_H 7.2

	Parts per 100,000
Free and Saline Ammonia	Less than .001
Albuminoid Ammonia	.002
Chlorine	1.3
equivalent to Sodium Chloride	2.2
Oxygen (absorbed 4 hrs.)	0.018
Nitrite	absent.
Nitrogen in Nitrate	0.33
Total Solids	36.2
Loss on ignition	3.0
Appearance on ignition	no charring.
Hardness—Temporary	24.3
Permanent	3.4
Total	27.7
Lead and Copper	absent.

Bacteriological Examination.

Colonies on Agar at 20° C.	97 per ml.
ditto at 37° C.	22 per ml.
Organisms of the Coli-aerogenes Group.	110 per 100 ml.
	including 10 of faecal type.

(Signed) WATERFALL AND O'BRIEN.

The supply to Swineford, in the Parish of Bitton, is only limited and is one stand pipe in the village.

Analyst's Report as follows :—

CERTIFICATE OF ANALYSIS.

WATERFALL & O'BRIEN
Analytical, Technical and
Consulting Chemists.

THE LABORATORY,
4, QUEEN SQUARE,
BRISTOL, 1.

H. S. HOWES, B.Sc., F.I.C.

20th June, 1947.

Of a Sample of WATER.

Lab Ref. Swineford Supply. From Standpost, 16/6/47 taken
No. 2662. by Mr. L. J. Prosser, at 11.45 a.m.

Sent by—The Warmley R.D.C., Warmley, Bristol.

Appearance—Clear and colourless : slight sediment of mineral
debris.

Reaction— P_H 7.2

	Parts per 100,000.
Free and Saline Ammonia	Less than .001
Albuminoid Ammonia	.004
Chlorine	1.7
equivalent to Sodium Chloride	2.8
Oxygen (absorbed 4 hrs.)	0.012
Nitrite	absent.
Nitrogen in Nitrate	0.18
Total Solids	36.4
Loss on ignition	3.4
Appearance on ignition	no charring.
Hardness—Temporary	22.0
Permanent	5.2
Total	27.2
Lead and Copper	absent.

Bacteriological Examination.

Colonies on Agar at 20° C.	4 per ml.
ditto at 37° C.	Less than 1 per ml.
Organisms of the Coli- aerogenes Group	4 per 100 ml.
Faecal types not detected in 100 ml.	

(Signed) WATERFALL & OBRIEN.

14 samples were taken and submitted for analysis. These
were obtained from 6 sources. 13 were reported as unsatisfactory.

Statutory Notices served	...	...	10
Statutory Notices complied with	...	...	4
Preliminary Notices served	...	...	1
Preliminary Notices complied with	...	...	1

WATER SUPPLIES.

<i>Parish</i>	Direct to Houses.	Stand Pipes.	No. of Houses	Total Houses.
Bitton	624	50	128	752
Hanham Abbots	379	14	44	423
Mangotsfield				
Rural	164	4	5	169
Oldland	455	42	88	543
Siston	387	21	42	429

Drainage and Sewerage.

The main trunk sewer of the Kingswood and Warmley Joint Sewerage Committee was completed in 1938. Owing to the abnormal conditions prevailing, no sewer extensions were carried out, but this matter is now an urgent necessity and will have to receive consideration as soon as possible to the Parishes of Siston, Oldland, Hanham Abbots and Bitton.

The Sewerage Works are in the Kingswood Urban District Council's area at Conham.

Closet Accommodation.

3 earth closets were converted to water closets complete with flushing cisterns, and connected to the sewer.

Public Cleansing.

A weekly collection of Refuse and Salvage was carried out during the year. Disposal was by tipping at 2 tips in the District.

The value of Salvage disposed of during the year amounted to £271 10s. 7d. Details as follows :—

	<i>Tons.</i>	<i>Cwts.</i>	<i>Qrs.</i>
Paper	36	12	1
Iron	4	16	—
Rags	—	14	3
Bones	1	13	—
Kitchen Waste	—	18	2
Bottles and Jars	72 dozen.		

Rivers and Streams.

Pollution of Siston Brook by Diesel Oil was investigated and a Statutory Notice served on one of the Factories in the District to renew their storage tanks which were found to be leaking. This work was carried out.

Camping Sites.

Number of Sites used for camping during the year ...	6
Number of camping Sites in respect of which Licences have been issued by the Local Authority under Section 29 of the Public Health Act, 1936 ...	3
Estimated number of campers resident in the area at one time during the year	50

Smoke Abatement.

Two complaints were received during the year, one of which was serious. This was referred to the Bristol and District Smoke Abatement Council for advice, who, after consultation with the Factory owners, gave an order for the installation of a Cyclone Grit Arrester, for which the Factory is awaiting delivery from the Manufacturers.

Dirty and Verminous Premises.

Several complaints were received of cockroaches and beetle infestations. These were treated by Gammexane dust.

One complaint was received of an infestation of mites (*Dermanyssus Gallinae* Redi) which was traced to a number of birds nests (Starlings) in the eaves of the roof, gaining access to the bedroom through the ventilator. The room and roof space were successfully sprayed with Zaldicide.

Eradication of Bed Bugs. NIL.

Factory Act.

One certificate was issued under Section 34 of the Factory Act, 1937. (Escape in case of Fire).

Two Notices were served for the provision of new Sanitary Conveniences. These were complied with.

One Notice was served on the owner of a bakehouse to cleanse the premises. This was complied with.

Rats and Mice Destruction.

In connection with the Survey of the District, Rats and Mice Destruction was carried out by the County Council as the responsible Authority. The Council carried out the treatment of sewers in the District in co-operation with the County Council and the Ministry of Food. Two treatments were carried out.

Housing.

(a)	Number of Dwelling Houses Inspected for defects under the Public Health or Housing Acts	...	...	...	...	...	...	209
(b)	Number of Houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	...	...	...	...	...	...	3
	Action under Statutory powers during the year							
	Proceedings under the Housing Act, 1936	...	...	...	...	...	...	Nil.

All New Houses.

(a)	Total number erected during the year. (Council and Private Enterprise)	...	...	20
(b)	New houses erected during the year with State assistance under the Housing Act	...	...	2

Rural Housing Survey.

A start was made on this Survey in July, 1946.

Summary as follows :—

<i>Parish</i>	No. to be Inspected.	Number Inspected.	Categories.				
			1	2	3	4	5
Mangotsfield Rural	181	181	54	55	30	1	41
Siston	436	383	43	92	144	6	98
Oldland	566	350	34	83	172	—	61
Bitton	885	10	—	—	7	—	3
Hanham Abbots ...	425	4	—	—	2	—	2
Totals ...	2,493	928	131	230	355	7	205

Inspection and Supervision of Food.

Number of Cowsheds and Dairies Inspected	...	...	...	...	...	54
Number of Milk Samples taken	...	...	...	...	...	10
Cowsheds Improved	...	...	...	...	...	8
New and Improved Yards	...	...	...	...	...	5
Dairies Reconstructed	...	...	...	...	...	3

Meat Inspection.**Carcases Inspected.**

	Cattle Ex- cluding Cows.	Cows	Calves	Sheep and Lambs	Pigs
Number killed	—	—	36,592	1,872	571
Number Inspected	—	—	35,550	1,872	571

Carcases Condemned.

	Cattle Ex- cluding Cows.	Cows	Calves	Sheep and Lambs	Pigs
All Diseases except Tuberculosis.					
(a) Whole carcasses con- demned	—	—	75	3	4
(b) Part of carcasses of which some part of the organ was condemned	—	—	144	446	11
(c) Percentage of the num- ber of carcasses inspected affected with disease other than tuberculosis	—	—	.61%	23.98%	2.62%
Tuberculosis Only.					
(a) Whole carcasses con- demned	—	—	123	—	2
(b) Carcasses of which some part of organ was con- demned	—	—	8	—	41
(c) Percentage of the num- ber of carcasses inspected affected with tuber- culosis	—	—	.37%	—	7.53%

Notification of Tuberculosis in Calves.

No. of Calves Condemned	No. of Calves Not Labelled	No. of Calves Dams traced	No. of Dams taken under the Tuberculosis Order and confirmed.	No. of Calves Dams NOT confirmed as affected with Tuberculosis.
123	57	58	51	7

It is regretted that the number of calves which were condemned and was unable to trace the Dams of these Calves, due to the reference number label being lost during transit of the animals from the markets to the slaughterhouse.

Condemned Foods Register.

During the year the following weight of food was inspected and condemned. This figure is high, due to the establishment of the Ministry of Food (Salvage Division) in the area, who deal with all salvaged foods from the following Counties in the South-Western Area—Cornwall, Devon, Somerset, Hampshire, Dorset, Wiltshire, Gloucestershire, Monmouth and the whole of South Wales.

Meat (Tuberculosis)	8,928	lbs.
Meat (Other Diseases)	6,720	,,
Other Foods including Tins, Jars and various foods	383½	,,
Various other foods, not fit for human con- sumption, but allowed to be used for Animal Feeding Stuffs	65,775½	,,
TOTAL	81,807	lbs.

Slaughter of Animals Act.

Three Licences to slaughter animals were issued to Slaughtermen.

Petroleum (Consolidation) Act, 1928.

Licences issued under this Act are as follows :—

Petrol	Year 1946	20
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I beg to remain, Gentlemen,

Your obedient servant,

LESLIE J. PROSSER,

Sanitary Inspector.

